

B1  
cont

techniques have in common that they use the reflectance of light, generated by a laser, to analyze the growth or disintegration of a layer of, for instance, biological molecules at a surface.--

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Please delete the paragraph beginning at page 2, line 21 as follows:

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[According to a first aspect of the present invention there is provided a device according to any of the claims 1 to 8.]

B2

[ Please replace the paragraph beginning at page 2, line 24, with the following rewritten paragraph:

--The device according to a first aspect of the present invention provides good attachment of the plasma deposited layer, good stability thereof and a device exhibiting good sensitivity, whereby the substrate is provided with a function layer, the functionality of which can be provided by groups such as amine, carboxylic acid, hydroxyl, acid chloride, isocyanate, aldehyde, anhydride, epoxide, and thiol groups, for example.--

[ Please replace the paragraph beginning at page 2, line 32, with the following rewritten paragraph:

--A second aspect of the present invention provides a process for providing the device of the present invention.--

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Please replace the paragraph beginning at page 3, line 7, with the following rewritten paragraph:

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B3

--In contrast to processes for providing sensor devices wherein layers are arranged on a substrate by wet chemical processes which are often time-consuming, difficult to carry out,

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cont

and often result in undesirably thick layers exhibiting a subsequent lack of sensitivity if a great deal of care is not applied, the process according to the present invention is extremely flexible to work, easy to effect, and offers a good cost efficiency.--

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Please replace the paragraph beginning at page 4, line 34, with the following rewritten paragraph:

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B4

--According to a further aspect of the present invention, there is provided a process for investigating the interaction of chemical and/or biological species, for example, real time surface interactions.--

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IN THE CLAIMS:

Please cancel claims 26 and 27.

Please amend claims 25, 28, 31, 33, 39, 42 and 46 as follows:

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D2  
B5

25. (Once Amended)	A device for investigating reactions between interactive chemical or biological species, said device comprising:  a substrate; and  a plasma layer deposited directly on the substrate, wherein the substrate comprises a film of free electron metal consisting essentially of gold, and wherein the plasma layer deposited directly on the film of free electron metal comprises sulfur.
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B6

28. (Once Amended)	The device according to claim 25, wherein the plasma deposited layer is arranged directly on the free electron metal film and further wherein said electron free metal is selected from the group consisting of copper, silver, and aluminum.
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